

PT/10

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/505,171

CRF Edit Date: 9/10/04
Edited by: AR

Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

ENTERED

Corrected the SEQ ID NO. Sequence numbers edited were:

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

Deleted: invalid beginning/end-of-file text ; page numbers

Inserted mandatory headings/numeric identifiers, specifically:

Moved responses to same line as heading/numeric identifier, specifically:

Other:



PCT

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/505,171

DATE: 09/10/2004
TIME: 18:07:42

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\09102004\J505171.raw

```

3 <110> APPLICANT: AMANO ENZYME INC.
5 <120> TITLE OF INVENTION: Modified promoter
7 <130> FILE REFERENCE: P0200102
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/505,171
C--> 9 <141> CURRENT FILING DATE: 2004-08-31
9 <150> PRIOR APPLICATION NUMBER: JP P2002-055853
10 <151> PRIOR FILING DATE: 2002-03-01
12 <150> PRIOR APPLICATION NUMBER: JP P2002-354670
13 <151> PRIOR FILING DATE: 2002-12-06
15 <160> NUMBER OF SEQ ID NOS: 38
17 <170> SOFTWARE: PatentIn version 3.1
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 11
21 <212> TYPE: DNA
22 <213> ORGANISM: Artificial Sequence
24 <220> FEATURE:
25 <223> OTHER INFORMATION: Description of Artificial Sequence: an enhancer sequence
27 <220> FEATURE:
28 <221> NAME/KEY: misc_feature
29 <222> LOCATION: (6)..(11)
30 <223> OTHER INFORMATION: n stands for any base.
33 <400> SEQUENCE: 1
W--> 34 ccaatnnnnn n 11
37 <210> SEQ ID NO: 2
38 <211> LENGTH: 14
39 <212> TYPE: DNA
40 <213> ORGANISM: Artificial Sequence
42 <220> FEATURE:
43 <223> OTHER INFORMATION: Description of Artificial Sequence: an enhancer sequence
45 <220> FEATURE:
46 <221> NAME/KEY: misc_feature
47 <222> LOCATION: (4)..(12)
48 <223> OTHER INFORMATION: n stands for any base.
51 <400> SEQUENCE: 2
W--> 52 cggnnnnnnn nnng 14
55 <210> SEQ ID NO: 3
56 <211> LENGTH: 11
57 <212> TYPE: DNA
58 <213> ORGANISM: Artificial Sequence
60 <220> FEATURE:
61 <223> OTHER INFORMATION: Description of Artificial Sequence: an enhancer sequence
63 <400> SEQUENCE: 3
64 ccaattagaa g 11

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67 <210> SEQ ID NO: 4
68 <211> LENGTH: 14
69 <212> TYPE: DNA
70 <213> ORGANISM: Artificial Sequence
72 <220> FEATURE:
73 <223> OTHER INFORMATION: Description of Artificial Sequence: an enhancer sequence
75 <220> FEATURE:
76 <221> NAME/KEY: misc_feature
77 <222> LOCATION: (5)..(5)
78 <223> OTHER INFORMATION: n stands for any base.
81 <220> FEATURE:
82 <221> NAME/KEY: misc_feature
83 <222> LOCATION: (10)..(10)
84 <223> OTHER INFORMATION: n stands for any base.
87 <400> SEQUENCE: 4
W--> 88 cgghnwwwn whgg                                14
91 <210> SEQ ID NO: 5
92 <211> LENGTH: 14
93 <212> TYPE: DNA
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Description of Artificial Sequence: an enhancer sequence
99 <400> SEQUENCE: 5
100 cggwwwwww whgg                                 14
103 <210> SEQ ID NO: 6
104 <211> LENGTH: 14
105 <212> TYPE: DNA
106 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: Description of Artificial Sequence: an enhancer sequence
111 <400> SEQUENCE: 6
112 cggaaattta aagg                                14
115 <210> SEQ ID NO: 7
116 <211> LENGTH: 14
117 <212> TYPE: DNA
118 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: Description of Artificial Sequence: an enhancer sequence
123 <400> SEQUENCE: 7
124 cggaaatttaa acgg                               . 14
127 <210> SEQ ID NO: 8
128 <211> LENGTH: 14
129 <212> TYPE: DNA
130 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
133 <223> OTHER INFORMATION: Description of Artificial Sequence: an enhancer sequence
135 <400> SEQUENCE: 8
136 cggaaattta acgg                                14
139 <210> SEQ ID NO: 9

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/505,171

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140 <211> LENGTH: 128
 141 <212> TYPE: DNA
 142 <213> ORGANISM: Artificial Sequence
 144 <220> FEATURE:
 145 <223> OTHER INFORMATION: Description of Artificial Sequence:a DNA fragment including
 CCAAT
 146 sequence and SRE
 148 <400> SEQUENCE: 9
 149 ccaatttagaa gcagcaaagg gaaacagccc aaaaaaagg tcggcccgctc ggcctttct 60
 151 gcaacgctga tcacggcag cgatccaacc aacaccctcc agagtgacta gggcggaaa 120
 153 tttaaagg 128
 156 <210> SEQ ID NO: 10
 157 <211> LENGTH: 196
 158 <212> TYPE: DNA
 159 <213> ORGANISM: Artificial Sequence
 161 <220> FEATURE:
 162 <223> OTHER INFORMATION: Description of Artificial Sequence:a DNA fragment including
 CCAAT
 163 sequence and SRE
 165 <400> SEQUENCE: 10
 166 ctgcagacca cctctaggca tcggacgcac catccaatta gaagcagcaa agcgaaacag 60
 168 cccaaagaaaa aggtccccccc gtccgcctt tctgcaacgc tgatcacggg cagcgatcca 120
 170 accaacaccc tccagagtga cttagggcgg aaatttaaag ggattaattt ccactcaacc 180
 172 acaaatacaca ctgcag 196
 175 <210> SEQ ID NO: 11
 176 <211> LENGTH: 193
 177 <212> TYPE: DNA
 178 <213> ORGANISM: Artificial Sequence
 180 <220> FEATURE:
 181 <223> OTHER INFORMATION: Description of Artificial Sequence:a DNA fragment including
 CCAAT
 182 sequence and SRE
 184 <400> SEQUENCE: 11
 185 ctcgagaggc atcggacgca ccatccaatt agaaggcagca aagcgaaaca gccaagaaa 60
 187 aaggtcggcc cgtccgcctt ttctgcaacgc ctgatcacgg gcagcgatcc aaccaacacc 120
 189 ctccagagtgc actagggcgg gaaatttaaa gggattaattt tccactcaac cacaatcac 180
 191 agtcggcggc cgc 193
 194 <210> SEQ ID NO: 12
 195 <211> LENGTH: 615
 196 <212> TYPE: DNA
 197 <213> ORGANISM: Aspergillus oryzae
 199 <220> FEATURE:
 200 <221> NAME/KEY: promoter
 201 <222> LOCATION: (1)..(615)
 202 <223> OTHER INFORMATION:
 W--> 204 <400> 12
 205 gaattcatgg tgtttgatc attttaaattt ttttatatggc gggtggtggg caactcgctt 60
 207 cccggcaact cgcttaccga ttacgtttagg gctgatattt acgtaaaaat cgtcaaggaa 120
 209 tgcaagacca aagttagaaa accccggagt caacagcatc caagcccaag tccttcacgg 180
 211 agaaacccca gcgtccacat cacgagcgaa ggaccacctc taggcacatcg acgcaccatc 240
 213 caattagaag cagcaaaggc aaacagccca agaaaaagggt cggcccgctcg gcctttctg 300
 215 caacgctgat cacggcagc gatccaacca acaccctcca gagtgactag gggcggaaat 360

RAW SEQUENCE LISTING

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217 ttaaaggat taattccac tcaaccacaa atcacagtcg tccccggat tgtcctgcag 420
 219 aatgcaattt aaactttctt gccaatcgct tggattcccc gcccctgcc gtagagctta 480
 221 aagtatgtcc cttgtcgatg cgatgtatca caacatataa atactagcaa gggatgccat 540
 223 gcttggagga tagcaaccga caacatcaca tcaagctctc ccttctctga acaataaaacc 600
 225 ccacagaagg cattt 615
 228 <210> SEQ ID NO: 13
 229 <211> LENGTH: 44
 230 <212> TYPE: DNA
 231 <213> ORGANISM: Artificial Sequence
 233 <220> FEATURE:
 234 <223> OTHER INFORMATION: Description of Artificial Sequence: a PCR primer designed
 for amp
 235 lififying CCAAT sequence
 237 <400> SEQUENCE: 13
 238 ccgcgtcgagg caccatccaa tttagaagcgc ggccgctaaa ctat 44
 241 <210> SEQ ID NO: 14
 242 <211> LENGTH: 44
 243 <212> TYPE: DNA
 244 <213> ORGANISM: Artificial Sequence
 246 <220> FEATURE:
 247 <223> OTHER INFORMATION: Description of Artificial Sequence: a PCR primer designed
 for amp
 248 lififying CCAAT sequence
 250 <400> SEQUENCE: 14
 251 atagtttagc ggccgcgtt ctaattggat ggtgcctcga gcgg 44
 254 <210> SEQ ID NO: 15
 255 <211> LENGTH: 46
 256 <212> TYPE: DNA
 257 <213> ORGANISM: Artificial Sequence
 259 <220> FEATURE:
 260 <223> OTHER INFORMATION: Description of Artificial Sequence: a PCR primer designed
 for amp
 261 lififying SRE
 263 <400> SEQUENCE: 15
 264 gactagttaa cctagggcg gaaatttaac gggatgttaa ctatgc 46
 267 <210> SEQ ID NO: 16
 268 <211> LENGTH: 46
 269 <212> TYPE: DNA
 270 <213> ORGANISM: Artificial Sequence
 272 <220> FEATURE:
 273 <223> OTHER INFORMATION: Description of Artificial Sequence: a PCR primer designed
 for amp
 274 lififying SRE
 276 <400> SEQUENCE: 16
 277 gactagttaa catccgtta aatttccgcc cctaggttaa ctatgc 46
 280 <210> SEQ ID NO: 17
 281 <211> LENGTH: 30
 282 <212> TYPE: DNA
 283 <213> ORGANISM: Artificial Sequence
 285 <220> FEATURE:
 286 <223> OTHER INFORMATION: Description of Artificial Sequence: a PCR primer designed
 for amp
 287 lififying a DNA fragment including CCAAT sequence and SRE

289 <400> SEQUENCE: 17

RAW SEQUENCE LISTING
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290 aaaactgcaga ccacctctag gcatcgacg 30
293 <210> SEQ ID NO: 18
294 <211> LENGTH: 30
295 <212> TYPE: DNA
296 <213> ORGANISM: Artificial Sequence
298 <220> FEATURE:
299 <223> OTHER INFORMATION: Description of Artificial Sequence: a PCR primer designed
for amp
300      lifying a DNA fragment including CCAAT sequence and SRE
302 <400> SEQUENCE: 18
303 ttctgcagt gttgatttgt gtttgagtgg 30
306 <210> SEQ ID NO: 19
307 <211> LENGTH: 27
308 <212> TYPE: DNA
309 <213> ORGANISM: Artificial Sequence
311 <220> FEATURE:
312 <223> OTHER INFORMATION: Description of Artificial Sequence: a PCR primer designed
for amp
313      lifying a DNA fragment including CCAAT sequence and SRE
315 <400> SEQUENCE: 19
316 cggctcgagg catcgacgc accatcc 27
319 <210> SEQ ID NO: 20
320 <211> LENGTH: 40
321 <212> TYPE: DNA
322 <213> ORGANISM: Artificial Sequence
324 <220> FEATURE:
325 <223> OTHER INFORMATION: Description of Artificial Sequence: a PCR primer designed
for amp
326      lifying a DNA fragment including CCAAT sequence and SRE
328 <400> SEQUENCE: 20
329 atagtttagc ggccgcccac tgtgatttgt gtttgagtgg 40
332 <210> SEQ ID NO: 21
333 <211> LENGTH: 45
334 <212> TYPE: DNA
335 <213> ORGANISM: Artificial Sequence
337 <220> FEATURE:
338 <223> OTHER INFORMATION: Description of Artificial Sequence:a primer for site-
directed mut
339      agenesis
341 <400> SEQUENCE: 21
342 cgcttggatt ccccgccccgc ggccgcagag cttaaagtat gtccc 45
345 <210> SEQ ID NO: 22
346 <211> LENGTH: 45
347 <212> TYPE: DNA
348 <213> ORGANISM: Artificial Sequence
350 <220> FEATURE:
351 <223> OTHER INFORMATION: Description of Artificial Sequence:a primer for site-
directed mut
352      agenesis
354 <400> SEQUENCE: 22
355 gaatgcaatt taaactcttc ctcgagtcgc ttggattccc cgccc 45
358 <210> SEQ ID NO: 23
359 <211> LENGTH: 47

```

360 <212> TYPE: DNA

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/505,171

DATE: 09/10/2004
TIME: 18:07:43

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\09102004\J505171.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 6,7,8,9,10,11
Seq#:2; N Pos. 4,5,6,7,8,9,10,11,12
Seq#:4; N Pos. 5,10

VERIFICATION SUMMARY DATE: 09/10/2004
PATENT APPLICATION: US/10/505,171 TIME: 18:07:43

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\09102004\J505171.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:34 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:52 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:88 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:204 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:12,Line#:202